

#7



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/867,537A

DATE: 11/26/2002

TIME: 09:44:17

Input Set : A:\203973.txt

Output Set: N:\CRF4\11262002\I867537A.raw

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3 <110> APPLICANT: MOCKEL, BETTINA
4   KREUTZER, CAROLINE
6 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES WHICH CODE FOR THE LYSR3 GENE
8 <130> FILE REFERENCE: 203973US0X
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/867,537A
C--> 10 <141> CURRENT FILING DATE: 2001-05-31
10 <150> PRIOR APPLICATION NUMBER: DE10039049.8
11 <151> PRIOR FILING DATE: 2000-08-10
13 <160> NUMBER OF SEQ ID NOS: 5
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 1032
19 <212> TYPE: DNA
20 <213> ORGANISM: Corynebacterium glutamicum
22 <220> FEATURE:
23 <221> NAME/KEY: CDS
24 <222> LOCATION: (201)..(830)
26 <400> SEQUENCE: 1
27 gatgatcaaaa tacttctaga tgtcatcgat aatgggcagg gatttgatgt ggcagaagtg      60
29 atccgtaaaaa aatccattgg actgccacaca gcgcaacgcc gggctgaagg gctgggcgga      120
31 acaataatta ttgaatctac aatcggatcg ggaactggaa tttccgccc ttttccctat      180
33 ccacaaaagg accaagataa gtg atc cgt att ctg ttg gct gat gat cat ccc      233
34           Val Ile Arg Ile Leu Leu Ala Asp Asp His Pro
35           1             5             10
37 gtt gtt cgc gca ggc ctt gcc tcc ttg ctg gtg agt gaa gat gat ttt      281
38 Val Val Arg Ala Gly Leu Ala Ser Leu Leu Val Ser Glu Asp Asp Phe
39           15             20             25
41 gag ata gtg gac atg gtg ggc acc cca gat gat gcc gtt gcg cgc gcc      329
42 Glu Ile Val Asp Met Val Gly Thr Pro Asp Asp Ala Val Ala Arg Ala
43           30             35             40
45 gcg gaa ggc ggg gtg gat gtg ttg atg gat ctg cgt ttt ggt gat      377
46 Ala Glu Gly Gly Val Asp Val Val Leu Met Asp Leu Arg Phe Gly Asp
47           45             50             55
49 caa cca ggc atc gag gtc gcc ggc ggg gta gag gca acg cgt cgc atc      425
50 Gln Pro Gly Ile Glu Val Ala Gly Gly Val Glu Ala Thr Arg Arg Ile
51 60           65           70           75
53 cgt gcg ctg gac aac ccg cca cag gta ctg gtg gtg acc aac tac tcc      473
54 Arg Ala Leu Asp Asn Pro Pro Gln Val Leu Val Val Thr Asn Tyr Ser
55           80           85           90
57 aca gac ggc gat gtg gtg ggc gca gta tct gct ggt gcc gtg ggg tat      521
58 Thr Asp Gly Asp Val Val Gly Ala Val Ser Ala Gly Ala Val Gly Tyr
59           95          100          105
61 ttg ctc aaa gat agc tcc cca gaa gat ctc att gcc ggt gtt cgc gat      569

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62 Leu Leu Lys Asp Ser Ser Pro Glu Asp Leu Ile Ala Gly Val Arg Asp
63      110      115      120
65 gcc gcg cgg gga gaa tca gtg ctt tca aag cag gtc gcc agc aag atc      617
66 Ala Ala Arg Gly Glu Ser Val Leu Ser Lys Gln Val Ala Ser Lys Ile
67      125      130      135
69 atg ggg cgg atg aac aac ccc atg act gct ctc agt gcc aga gaa att      665
70 Met Gly Arg Met Asn Asn Pro Met Thr Ala Leu Ser Ala Arg Glu Ile
71 140      145      150      155
73 gaa gtg ctg tcc ttg gtg gcg caa ggg caa agc aat aga gaa atc ggc      713
74 Glu Val Leu Ser Leu Val Ala Gln Gly Gln Ser Asn Arg Glu Ile Gly
75      160      165      170
77 aag aaa ctt ttc ctc act gag gcc acg gtg aaa agt cac atg ggg cat      761
78 Lys Lys Leu Phe Leu Thr Glu Ala Thr Val Lys Ser His Met Gly His
79      175      180      185
81 gtg ttc aac aag ctg gat gtc acc tct aga aca gct gcg gta gct gaa      809
82 Val Phe Asn Lys Leu Asp Val Thr Ser Arg Thr Ala Ala Val Ala Glu
83      190      195      200
85 gcc aga cag cgc gga att atc tagacgcaca cgtgttggtgta accgatcaca      860
86 Ala Arg Gln Arg Gly Ile Ile
87      205      210
89 ccagcgcacg ctgctaattct tcaactccatg aacaagggtgc agcgcagggtc actgatggcg      920
91 ttgtgcatga cgggtggcatt tgctggagga agcctgaccg cgtgcacacc tcgtcctgat      980
93 accgcagacc ccatcgcaga ggaattcctt caagcttggg catcgcaaga tt      1032
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 210
98 <212> TYPE: PRT
99 <213> ORGANISM: Corynebacterium glutamicum
101 <400> SEQUENCE: 2
103 Val Ile Arg Ile Leu Leu Ala Asp Asp His Pro Val Val Arg Ala Gly
104 1      5      10      15
107 Leu Ala Ser Leu Leu Val Ser Glu Asp Asp Phe Glu Ile Val Asp Met
108      20      25      30
111 Val Gly Thr Pro Asp Asp Ala Val Ala Arg Ala Ala Glu Gly Gly Val
112      35      40      45
115 Asp Val Val Leu Met Asp Leu Arg Phe Gly Asp Gln Pro Gly Ile Glu
116      50      55      60
119 Val Ala Gly Gly Val Glu Ala Thr Arg Arg Ile Arg Ala Leu Asp Asn
120 65      70      75      80
123 Pro Pro Gln Val Leu Val Val Thr Asn Tyr Ser Thr Asp Gly Asp Val
124      85      90      95
127 Val Gly Ala Val Ser Ala Gly Ala Val Gly Tyr Leu Leu Lys Asp Ser
128      100      105      110
131 Ser Pro Glu Asp Leu Ile Ala Gly Val Arg Asp Ala Ala Arg Gly Glu
132      115      120      125
135 Ser Val Leu Ser Lys Gln Val Ala Ser Lys Ile Met Gly Arg Met Asn
136      130      135      140
139 Asn Pro Met Thr Ala Leu Ser Ala Arg Glu Ile Glu Val Leu Ser Leu
140 145      150      155      160
143 Val Ala Gln Gly Gln Ser Asn Arg Glu Ile Gly Lys Lys Leu Phe Leu

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144          165          170          175
147 Thr Glu Ala Thr Val Lys Ser His Met Gly His Val Phe Asn Lys Leu
148          180          185          190
151 Asp Val Thr Ser Arg Thr Ala Ala Val Ala Glu Ala Arg Gln Arg Gly
152          195          200          205
155 Ile Ile
156      210
159 <210> SEQ ID NO: 3
160 <211> LENGTH: 323
161 <212> TYPE: DNA
162 <213> ORGANISM: Corynebacterium glutamicum
164 <400> SEQUENCE: 3
165 gatgtggtgt tgatggatct gcgttttgggt gatcaaccag gcatcgaggt cgccggcggg      60
167 gtagaggcaa cgcgtcgcgt ccgtgcgctg gacaaccgcg cacagggtact ggtggtgacc      120
169 aactactcca cagacggcga tgtggtgggc gcagtatctg ctggtgccgt ggggtatttg      180
171 ctcaaagata gctccccaga agatctcatt gccggtgttc gcgatgccgc gcggggagaa      240
173 tcagtgcctt caaagcaggt cgccagcaag atcatggggc ggatgaacaa ccccatgact      300
175 gctctcagtg ccagagaaat tga                                          323
178 <210> SEQ ID NO: 4
179 <211> LENGTH: 20
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
188 <400> SEQUENCE: 4
189 gatgtggtgt tgatggatct                                          20
192 <210> SEQ ID NO: 5
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
202 <400> SEQUENCE: 5
203 tcaatttctc tggcactgag                                          20

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VERIFICATION SUMMARY

PATENT APPLICATION: **US/09/867,537A**

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Input Set : **A:\203973.txt**

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date